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007949628 **image available**

WPI Acc No: 89-214740/198930

XRPX Acc No: N89-163634

Urban passenger transport system with automatic battery
recharge - enables authorised card holder to hire and drive vehicle
between two recharging stations where identity is recognised

Patent Assignee: PARIENT I R (PARI-I)

Inventor: PARIENT I R

Number of Countries: 009 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
EP 325550	A	19890726	EP 89480006	A	19890113		198930 B
FR 2625954	A	19890721					198936
EP 325550	B1	19951025	EP 89480006	A	19890113	B60L-011/18	199547
DE 68924607	E	19951130	DE 624607	A	19890113	B60L-011/18	199602
			EP 89480006	A	19890113		

ES 2080756 T3 19960216 EP 89480006 A 19890113 B60L-011/18 199614

Priority Applications (No Type Date): FR 88816 A 19880118

Cited Patents: 1. Jnl. Ref: DE 8611058; FR 2548808; GB 2178211; JP 60106302; US 4181188

Patent Details:

Patent Kind Lan Pg Filing Notes Application Patent

EP 325550 A F 5

Designated States (Regional): BE CH DE ES FR GB IT LI NL

EP 325550 B1 F 7

Designated States (Regional): BE CH DE ES FR GB IT LI NL

DE 68924607 E Based on EP 325550

ES 2080756 T3 Based on EP 325550

Abstract (Basic): EP 325550 A

The system utilizes a captive fleet of two-seater vehicles (1) driven by DC motors supplied from rechargeable batteries. These can be recharged at specific locations (2) through conductive arms (3) or inductive loops deployed below the vehicle, while an underground package (11) recognises the vehicle and authorises the return of the personal PROM card to its user.

Such a card may be either prepaid or charged-for by periodic invoicing to the holder's registered address. It is inserted into a reader on the outside of the vehicle for validation before a hire is authorised on entry of the confidential code via a keyboard. A temporary halt key enables the hirer to lock the doors or opening roof when alighting for short periods.

1/3

Abstract (Equivalent): EP 325550 B

An automatically recharged urban transport system comprising, in combination several automobiles (1), each comprising an electric motor and a battery of accumulators, at least one parking place (2) comprising means of recharging the said batteries of accumulators, and several programmable read only memory cards (10); each vehicle comprising in addition a means of reception (6) of the said card and of

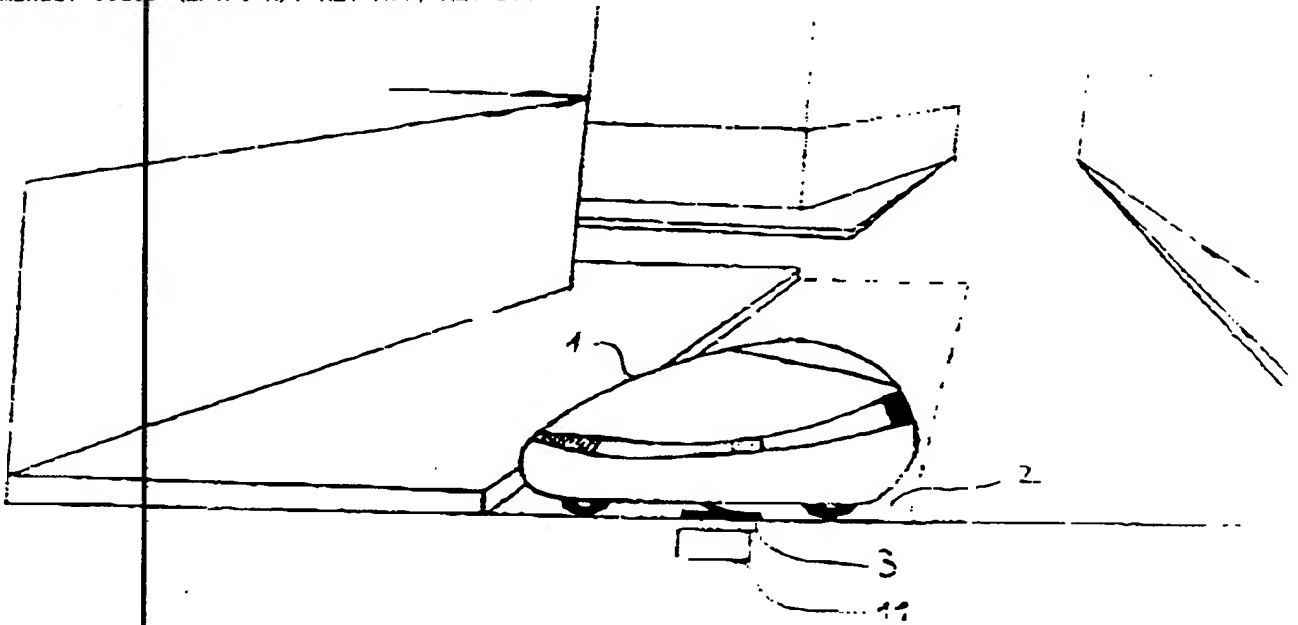
1/3

3/19

processing the data contained in the said memory, distinguished by the fact that each vehicle (1) has a compressed air tank filled by a reversible turbine during deceleration and braking, and means capable of only returning the said programmable read only memory card (10) to the user when the vehicle (1) arrives at the said parking place (2) allowing the accumulators to be recharged, recognition between the vehicle (1) and the space (2) being optical or electrical, by sending a coded infrared, or low current electric code, the charging current only passing after this mutual recognition between the vehicle and the specialist place.

Dwg. 3/3

Title Terms: URBAN; PASSENGER; TRANSPORT; SYSTEM; AUTOMATIC; BATTERY;
 RECHARGE; ENABLE; AUTHORISE; CARD; HOLD; HIRE; DRIVE; VEHICLE; TWO;
 RECHARGE; STATION; IDENTIFY; RECOGNISE
 Derwent Class: Q14; X21
 International Patent Class (Additional): B60L-007/10; B60L-011/18;
 G07F-007/08; G07F-017/00
 File Segment: EPI; EngPI
 Manual Codes (EPI/S-X): X21-A01; X21-B01



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2/3

4/19

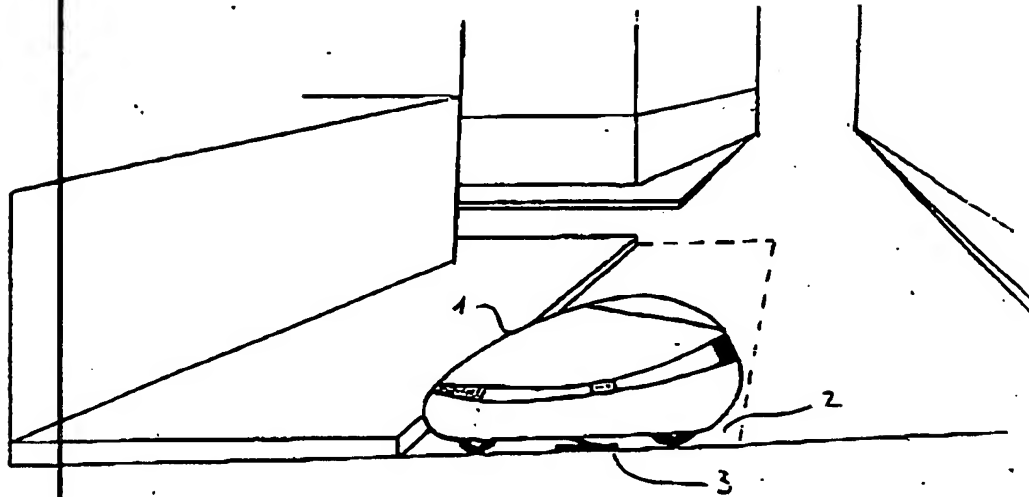


Fig. 1

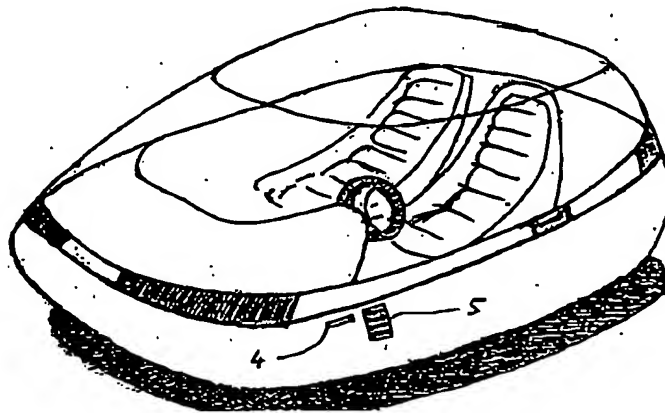


Fig. 2

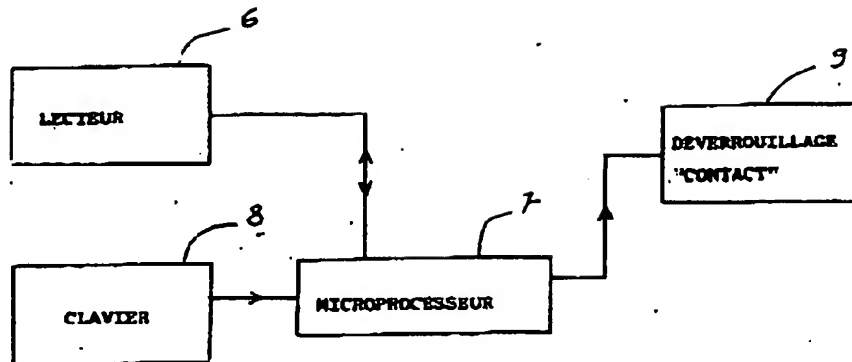


Fig. 3

3/3 B

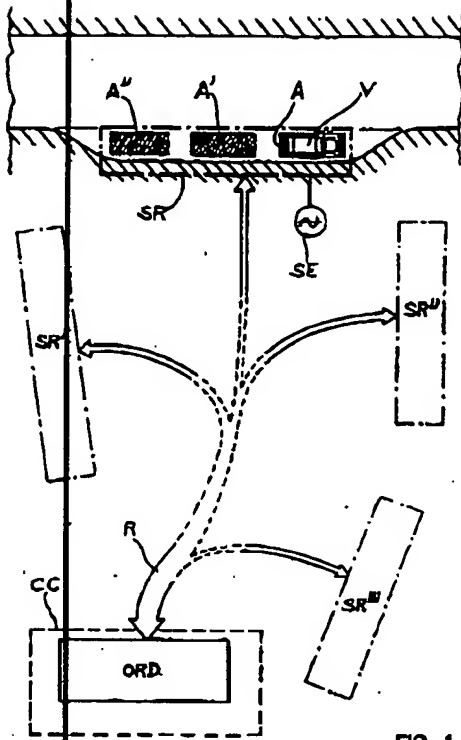


FIG. 1

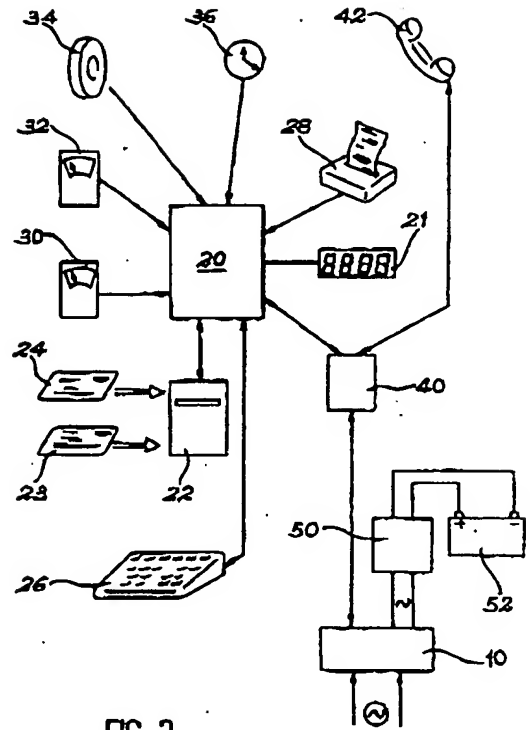


FIG. 3

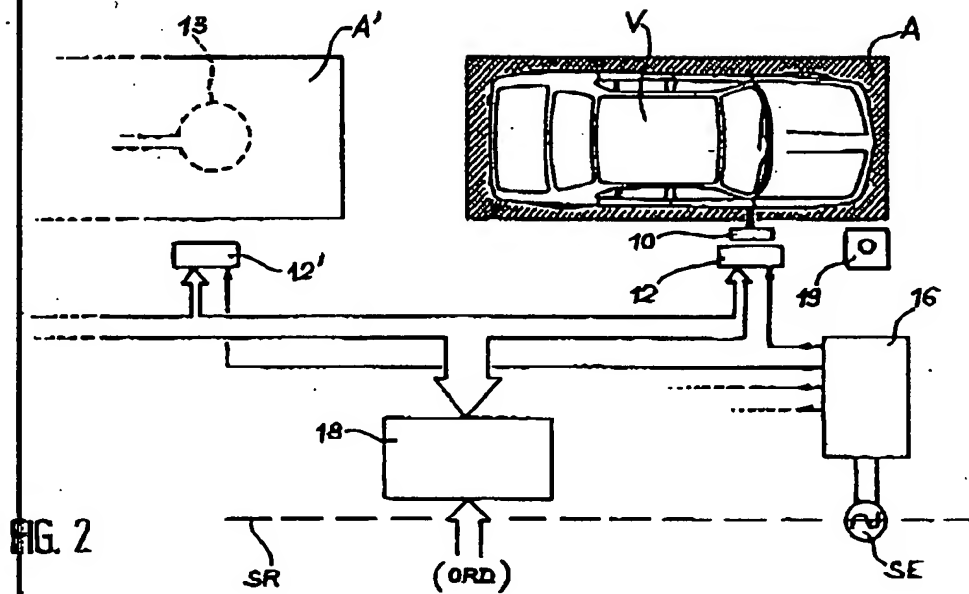


FIG. 2

7/19

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009730694 **Image available**

WPI Acc No: 94-010544/199402

XRPX Acc No: N94-008454

Transport network for goods or people in cities - uses
remote communications to control, guide and direct fleet of vehicles when
requested to do so by customers.

Patent Assignee: INRIA INST NAT RECH & INFORMATIQUE (INRI-N)

Inventor: PARENT M

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
FR 2692064	A1	19931210	FR 926883	A	19920605	G08G-001/00	199402 B

Priority Applications (No Type Date): FR 926883 A 19920605

Patent Details:

Patent	Kind	Lan	Pg	Filing Notes	Application	Patent
FR 2692064	A1		31			

Abstract (Basic): FR 2692064 A

The system consists of a fleet of autonomous vehicles (V) for transporting goods or people on the road network. Each vehicle is equipped with a propulsion device, a localisation device and a communication device. The localisation device (MLOC) provides continuous information (ILOCC) relating to the vehicle's position within a predetermined zone.

The communication device (MCOM) is associated with the latter and also provides information to control relating to the load, numbers of objects or people being carried. The system also includes a communications centre (CC) which communicates with the vehicles. It will also select a vehicle when it receives a request (REQ) from a user and direct the vehicle to proceed to a desired location.

ADVANTAGE - Provides alternative to private and goods vehicles in cities avoiding such problems as finding place to park or load/unload.

Dwg. 2/5

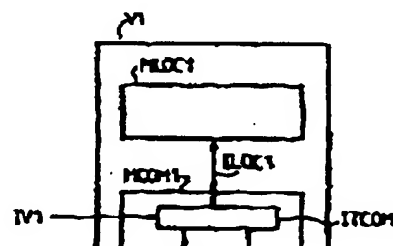
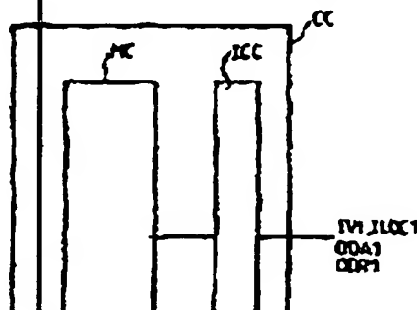
Title Terms: TRANSPORT; NETWORK; GOODS; PEOPLE; CITY; REMOTE; COMMUNICATE;
CONTROL; GUIDE; DIRECT; FLEET; VEHICLE; REQUEST; SO; CUSTOMER

Derwent Class: T05; T07; X22

International Patent Class (Main): G08G-001/00

File Segment: EPI

Manual Codes (EPI/S-X): T05-G01; T07-A05; X22-P05; X22-X



1/3

8/19

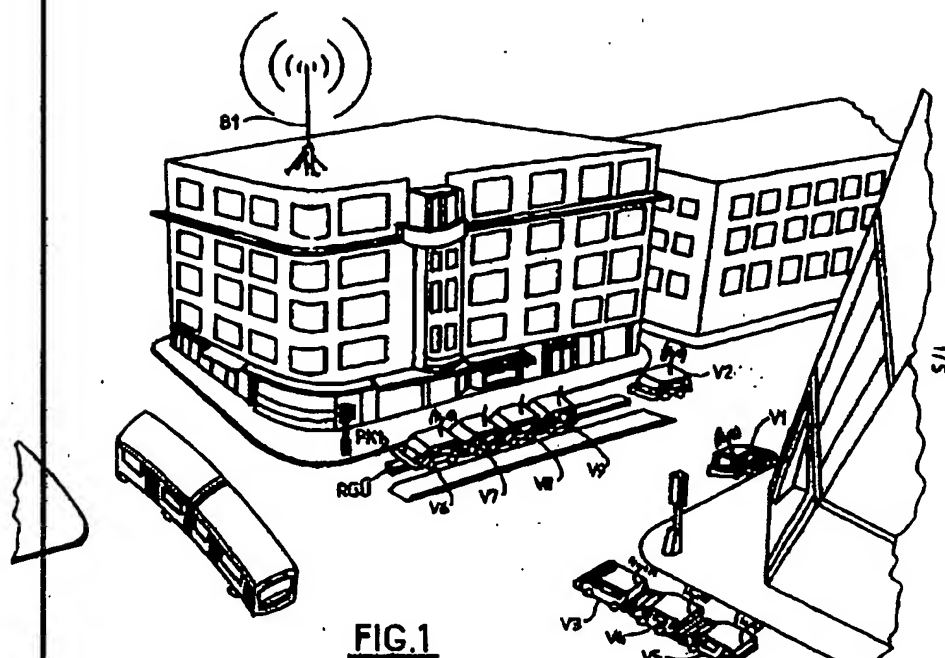


FIG.1

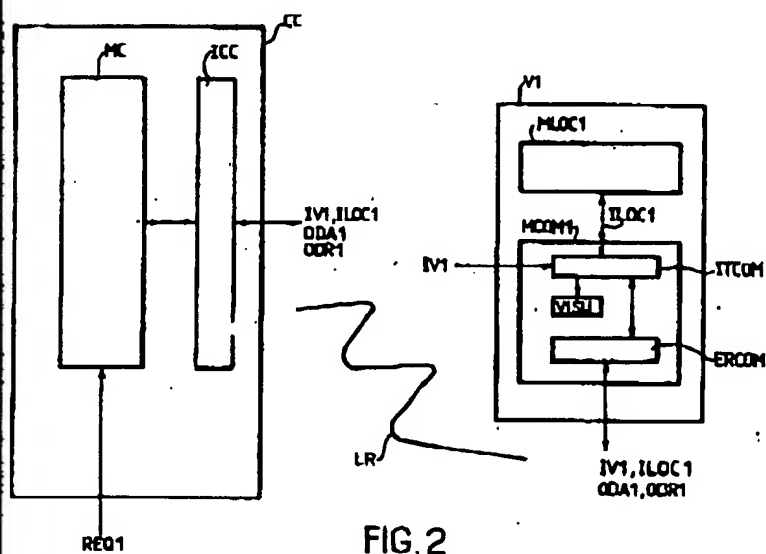


FIG. 2

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9/19

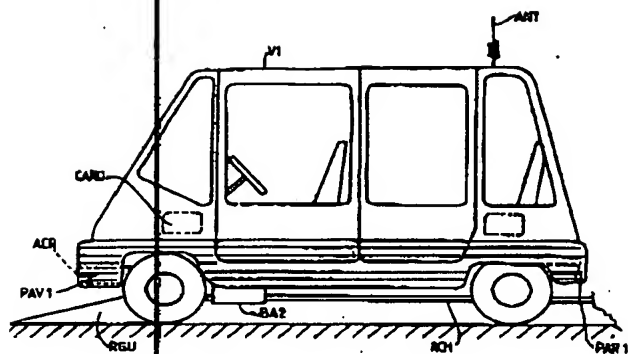


FIG 3

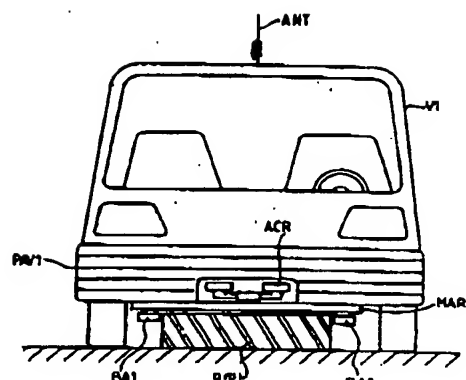


FIG 4

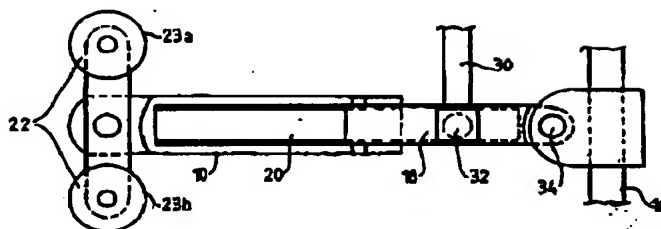


FIG.5a

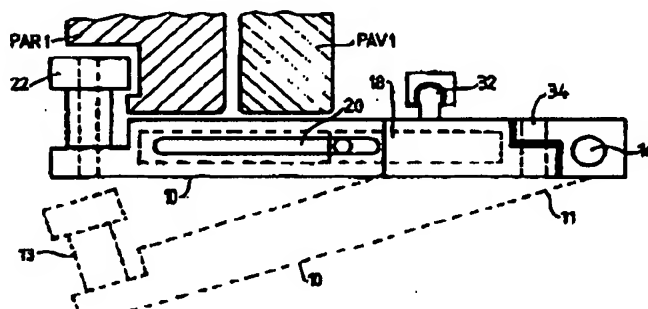


FIG.5b

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10/19

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1. 9/19/1

010279635 **Image available**

WPI Acc No: 95-180893/199524

XRPX Acc No: N95-142009

Monitoring system for controlling use of rental cars -
includes car park with numbered spaces in which parked vehicles exchange
information with central monitoring computer to check status of brakes
and control operation of central locking

Patent Assignee: CGA-HBS CIE GEN AUTOMATISME SA (CGDA)

Inventor: LAURENS B; NAEL A

Number of Countries: 008 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
EP 653732	A1	19950517	EP 94402568	A	19941114	G07F-007/00	199524 B
FR 2712715	A1	19950524	FR 9313570	A	19931115	G08G-001/14	199526

Priority Applications (No Type Date): FR 9313570 A 19931115

Cited Patents: EP 433740; EP 451482; FR 2662285

Patent Details:

Patent Kind Lan Pg Filing Notes Application Patent

EP 653732 A1 F 8

Designated States (Regional): BE CH DE ES FR GB IT LI

Abstract (Basic): EP 653732 A

The system for controlling a number of cars offered for rental
includes a car park (C) with a given number of identifiable parking
spaces (C1 .. C20). Each vehicle includes a device transmitting
information relating to the status of certain parts, and a locking
system capable of operation by a control signal supplied externally.
Information transmitted may include the status of brakes and lights
etc.

A central management unit (A) is provided for controlling invoicing
and rental. The system also includes a beacon for exchanging
information with the units mounted in the vehicles, and with units
carried by customers giving their identification.

ADVANTAGE - Reduces number of parked cars.

Dwg 1/4

Title Terms: MONITOR; SYSTEM; CONTROL; RENT; CAR; CAR; PARK; NUMBER; SPACE;
PARK; VEHICLE; EXCHANGE; INFORMATION; CENTRAL; MONITOR; COMPUTER; CHECK;
STATUS; BRAKE; CONTROL; OPERATE; CENTRAL; LOCK

Derwent Class: T05; X22

International Patent Class (Main): G07F-007/00; G08G-001/14

International Patent Class (Additional): G06F-019/00; G06F-163-00

File Segment: EPI

Manual Codes (EPI/S-X): T05-601; T05-H05C; X22-X

FIG. 1

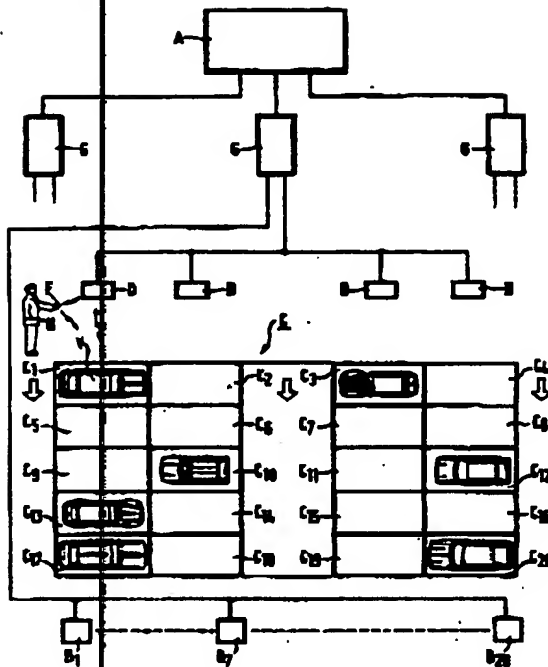


FIG. 2

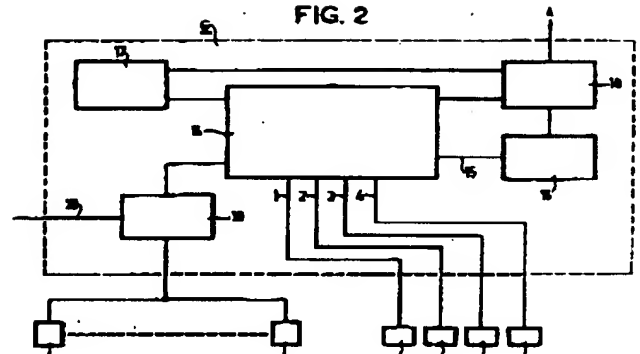


FIG. 3

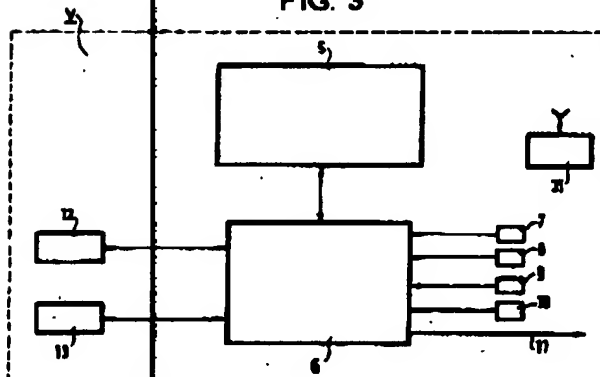
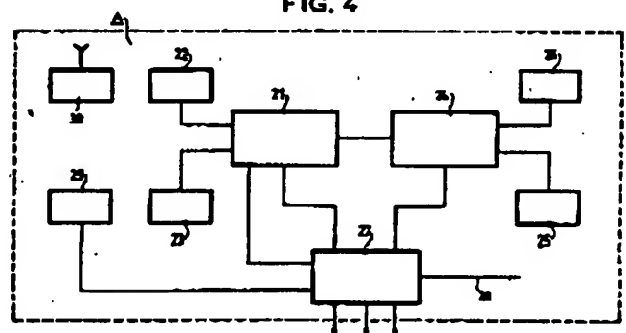


FIG. 4



2/2

12/19

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1. 10/19/1

010948450 **Image available**

WPI Acc No: 96-445400/199645

XRPX Acc No: N96-375064

Management system for electric vehicles available for hire -
includes remote control system linking vehicles, customer remote control
and central management centre to regulate use of vehicles once charged up

Patent Assignee: AUTOMOBILES CITROEN SA (CITR); AUTOMOBILES PEUGEOT (CITR
)

Inventor: BERTRAND B P; CHERY F; MARET J C

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
FR 2732144	A1	19960927	FR 953508	A	19950324	G08G-001/04	199645 B

Priority Applications (No Type Date): FR 953508 A 19950324

Patent Details:

Patent	Kind	Lan	Pg	Filing	Notes	Application	Patent
FR 2732144	A1		17				

Abstract (Basic): FR 2732144 A

The management system for use in an electric vehicle park includes
a box (1) with a keypad (2) and display (3) used by a customer in order
to communicate with a central management station. The customer uses
this box in order to claim or reserve a particular vehicle (5).

Each vehicle includes a control circuit (6) which is in
communication with the central control, and also in communication with
the box carried by the customer. An exterior light (16) on the vehicle
indicates whether or not it is available to hire, and a secret code
transmitted between the units either locks or unlocks the vehicle doors
to control access. The code also allows the vehicle to be started, this
having previously been inhibited.

ADVANTAGE - ADVANTAGE - Simplifies management of parking lot where
electric vehicles are charged and then hired out, with central station
authorising use of any particular vehicle.

Dwg. 1/2

Title Terms: MANAGEMENT; SYSTEM; ELECTRIC; VEHICLE; AVAILABLE; HIRE; REMOTE
; CONTROL; SYSTEM; LINK; VEHICLE; CUSTOMER; REMOTE; CONTROL; CENTRAL;
MANAGEMENT; CENTRE; REGULATE; VEHICLE; CHARGE; UP

Derwent Class: Q14; Q17; Q47; W05; X16; X21

International Patent Class (Main): G08G-001/04

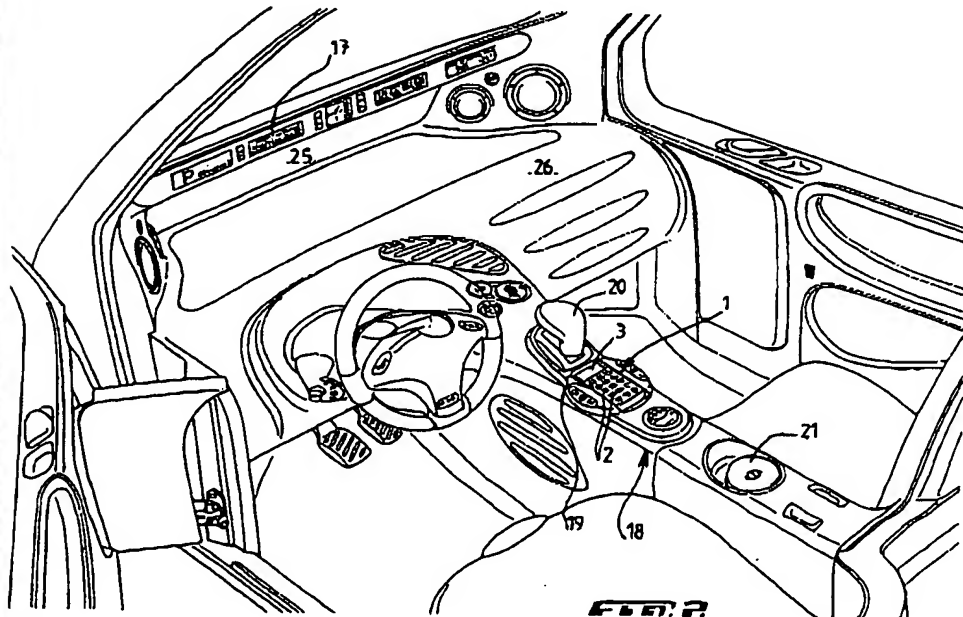
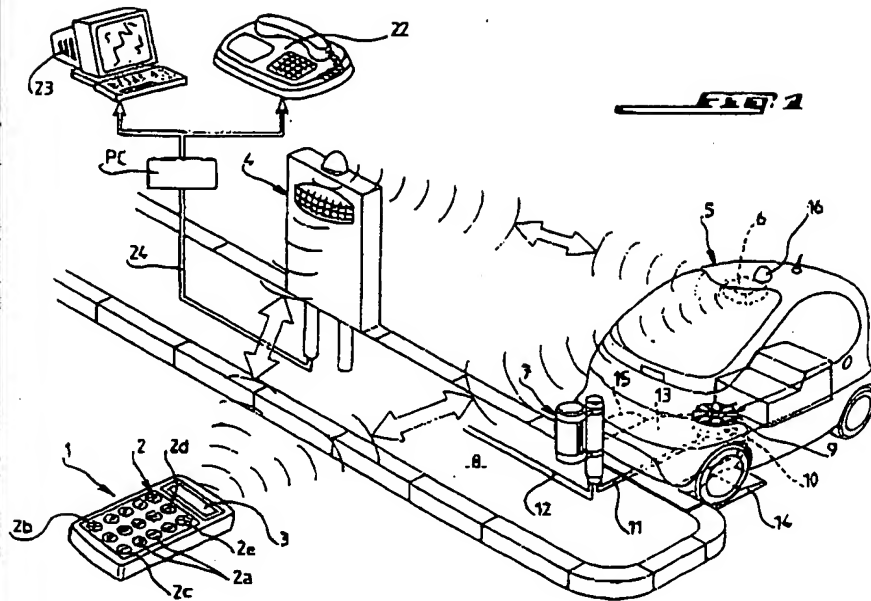
International Patent Class (Additional): B60L-011/18; B60R-025/10;
E05B-047/00; E05B-065/12; H02J-007/00; H02J-017/00

File Segment: EPI; EngPI

Manual Codes (EPI/S-X): W05-D04A1; W05-D05B; W05-D07D; X16-G; X21-A01;
X21-B01

1/2

13/19



2/2 13

14/19

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008922699

WPI Acc No: 92-049968/199207

XRPX Acc No: N92-038172

Clean city centre transport system for traffic abatement -
offers low cost communal energy-conserving cars at pick-up points and
parking areas

Patent Assignee: SCHERF J (SCHE-I)

Inventor: SCHERF J

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
DE 4024186	A	19920208	DE 4024186	A	19900730		199207 B

Priority Applications (No Type Date): DE 4024186 A 19900730

Abstract (Basic): DE 4024186 A

A so-called clean city car transport system is for use within a city or town boundaries and is of a compact, energy conserving design. The cars are made available to all individuals in possession of a chip card. The card has the format of a telephone charge card and provides access to an account. The cost is about a fifth of normal taxi fare.

The vehicles contain communication links and taximeters for logging the mileage and are coupled to a central controller. Special parking areas are provided. The cars envisaged are low emission petrol or diesel powered and ideally electro-cars.

ADVANTAGE - Conserves resources. Protects earths atmosphere.

Better city life. (5pp)

Title Terms: CLEAN; CITY; CENTRE; TRANSPORT; SYSTEM; TRAFFIC; ABATE; OFFER;
LOW; COST; COMMUNAL; ENERGY; CONSERVE; CAR; PICK-UP; POINT; PARK; AREA

Derwent Class: T05; X22

International Patent Class (Additional): G07C-005/00

File Segment: EPI

Manual Codes (EPI/S-X): T05-H02C5C; T05-H05; X22-X

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009795443

WPI Acc No: 94-075196/199410

XRPX Acc No: N94-058720

Passenger vehicle utilisation system for urban transportation - verifies authority of each vehicle user, with onboard navigation device linked to central vehicle control

Patent Assignee: DEUT AEROSPACE AG (DAIM)

Inventor: LEMKE U; ROEDIGER M

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
DE 4227969	A1	19940303	DE 4227969	A	19920822	G08G-001/127	199410 B
DE 4227969	C2	19941013	DE 4227969	A	19920822	G08G-001/127	199439

Priority Applications (No Type Date): DE 4227969 A 19920822

Patent Details:

Patent	Kind	Lan	Pg	Filing Notes	Application	Patent
DE 4227969	A1		3			
DE 4227969	C2		3			

DE 4227969 C2 3

Abstract (Basic): DE 4227969 A

The vehicle utilisation system allows a number of persons individual use of a vehicle within a defined urban area. The vehicle has an environmentally friendly drive system, e.g. an electric drive, with a control and monitoring device verifying the authority of each user and an onboard navigation system providing information for the passenger and a central vehicle control.

The location of the vehicle is monitored from the control, with communication between the latter and the vehicle for interrogation of the control and monitoring device which pref. uses a code system employing identity cards, or code transmitters.

USE - For providing individual use of urban transport vehicles within defined area for authorised users.

Dwg. 0/0

Abstract (Equivalent): DE 4227969 C

A passenger motor vehicle is equipped with an electronic control, monitoring and navigation unit and connected to a central station by radio which provides information about the position of the vehicle and its technical condition. A number of similar vehicles are prepared for a certain area of a town, and each person living in the area is granted usage rights involving a code system and this is registered in the central station.

Each person desiring to use a vehicle is checked by the control and monitoring unit and allowed its use of his status is validated. Each journey is registered and taken into account.

USE/ADVANTAGE - For public service vehicles. Leads to more efficient public transport system.

Dwg. 0/0

Title Terms: PASSENGER; VEHICLE; UTILISE; SYSTEM; URBAN; TRANSPORT; VERIFICATION; AUTHORISE; VEHICLE; USER; NAVIGATION; DEVICE; LINK; CENTRAL; VEHICLE; CONTROL

Derwent Class: Q17; S02; T05; T07; W08; X22

1/2

International Patent Class (Main): G08G-001/127
International Patent Class (Additional): B60R-025/10; G08B-013/00;
G08B-025/10; G08B-029/00; G08G-001/0968
File Segment: EPI; EngPI
Manual Codes (EPI/S-X): S02-B08; T05-G01; T07-A05; W06-A08; X22-E06;
X22-P05

16/19

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2/2

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009967910 **Image available**

WPI Acc No: 94-235622/199429

XRPX Acc No: N94-186332

Microprocessor based access control system for use with road vehicles - has bidirectional transfer of data via mobile phone link to reserve vehicle with control of access based upon identification card and entered number

Patent Assignee: LATSCH U (LATS-I)

Inventor: LATSCH U

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
DE 4301039	A1	19940721	DE 4301039	A	19930116	G06F-015/22	199429 B
DE 4301039	C2	19950814	DE 4301039	A	19930116	G06F-017/60	199528

Priority Applications (No Type Date): DE 4301039 A 19930116

Patent Details:

Patent	Kind	Lan	Pg	Filing Notes	Application	Patent
DE 4301039	A1		7			
DE 4301039	C2		7			

Abstract (Basic): DE 4301039 A

A vehicle may be reserved by telephoning a central station (1) that has a management computer (2). Communication may be made via a telephone network to a fixed station having a radio telephone (7). The vehicle (8) has a microprocessor (20) to which is coupled a mobile telephone (12). Other inputs are provided by the vehicle tachometer (16), card reader (15), keyboard (19) and infrared interface (17). Access to the vehicle requires that a user chip card (23) is entered into the infrared hand-held unit (22). An identification number has to be entered through the keyboard.

USE/ADVANTAGE - Cost effective and manipulation protected car access system.

Dwg. 1/3

Abstract (Equivalent): DE 4301039 C

The equipment includes units for transmitting bi-directionally data and speech, concerning reservations and journeys, between a central station or a vehicle by radio telephone methods. The mobile part of the radio telephone (12) installed in the vehicle includes a modem (13) and a processor-controlled selector (14) and a relay switch, while at the central station there is a commercial modem (3).

There is a cryptographically protected access control through bi-directional infrared communication between a multi-functional microprocessor chip card (23) in the infrared hand unit (22) and an infrared interface (17) in the vehicle system. This opens the central locking (10) of the vehicle when authentication is complete. Other features are also explained.

USE/ADVANTAGE - Suitable for communally used motor vehicles or in 'car sharing'. Able to manage economically and effectively communal vehicles.

Dwg. 1/3

Title Terms: MICROPROCESSOR; BASED; ACCESS; CONTROL; SYSTEM; ROAD; VEHICLE;

1/3

18/19

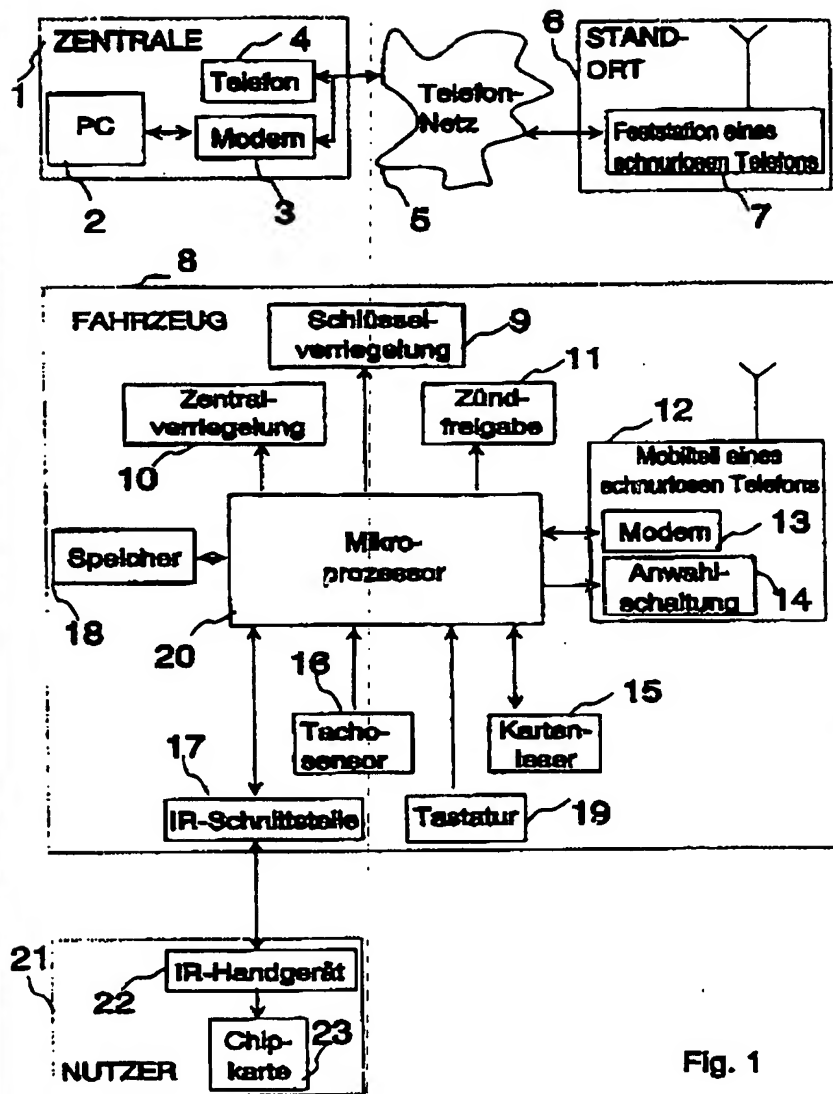
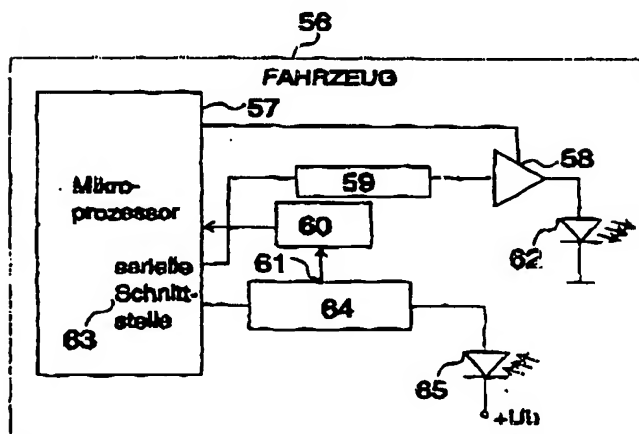


Fig. 1

2/3 8

19/19



3/3